

## CLIMATOLOGICAL DATA FOR AUGUST, 1912.

## DISTRICT No. 10, GREAT BASIN.

ALFRED H. THIESSEN, District Editor.

## GENERAL SUMMARY.

August, like the preceding month, was unusually cool for the district as a whole. In the Utah area the temperatures averaged as cool as any previous August except in 1899. This cool weather was due to an unusual number of high-pressure areas passing over the Northwest, although the pressure over the Great Basin averaged about normal.

The precipitation averaged about normal for the district as a whole. There were several severe local storms causing considerable damage in limited areas. In Cache Valley, in the northern part of the Utah area, a heavy wind and hail storm occurred, causing thousands of dollars damage to grain and fruit besides injury to other property. The hailstones denuded the fruit trees of leaves, bruised the fruit, and perforated the leaves of the sugar beets; while the wind beat the grain and alfalfa to the ground.

At Reno, Nev., the heaviest precipitation known in one hour, 0.93 inch, fell on the 2d, flooding streets and basements. At Mazuma, Nev., another flood occurred on the 2d, doing considerable damage to roads, telephone lines, and other property. A wall of water 10 feet high is said to have swept down the canyon, destroying everything in its course. When peals of thunder were heard, persons in the canyon fled to the hills, and while no lives were lost there were some narrow escapes.

The average number of rainy days was 4, clear days 18, partly cloudy days 8, and cloudy days 5.

## TEMPERATURE.

The temperature for the district averaged  $66.6^{\circ}$ , or  $2^{\circ}$  below normal. The local mean temperatures ranged from  $76.5^{\circ}$  (at Lemay, Utah) to  $53.7^{\circ}$  (at Woodruff, Utah). The highest local means occurred in the more level portions of the Utah area and in southern Nevada, while the lowest occurred in the extreme northeastern portion of the district.

Every station having a record long enough to compute a normal reported monthly mean temperatures below normal. The greatest minus departures occurred generally in the northern portion of the Utah area and in central Nevada.

The first week of the month was cool, and a few stations reported their highest temperatures during this period. This was followed by a warm spell of only a few

days, when the weather turned cool again, and so remained until about the 20th. From this date a week of moderately high temperatures prevailed, when most of the maximum temperatures were observed. The last few days of the month were quite cool, the mercury falling to the freezing point and below at some stations.

The 18th, 19th, 30th, and 31st were the coldest days in the district, most of the stations reporting temperatures below freezing, the lowest being  $23^{\circ}$  at Cliff, Oreg., on the 23d; Burns, Oreg., on the 25th; and at Quinn River Ranch, Nev., on the 30th. The lowest in the other States having areas in this district were  $29^{\circ}$  at Cokeville, Wyo., on the 31st;  $30^{\circ}$  at Grace, Idaho, on the 31st;  $24^{\circ}$  at Woodruff, Utah, on the 19th; and  $28^{\circ}$  at Tahoe, Cal., on the 30th.

The afternoon temperatures of the month were moderate, many stations reporting maximums of less than  $90^{\circ}$ . The following are the highest temperatures that occurred in the various areas of the several States in this district:  $90^{\circ}$ , at Border, Wyo., on the 26th;  $92^{\circ}$ , at Weston, Idaho, on the 9th;  $103^{\circ}$ , at Low, Utah, on the 25th;  $100^{\circ}$ , at Burns, Oreg., on the 23d;  $81^{\circ}$ , at Tahoe, Cal., on the 6th; and  $110^{\circ}$ , at Jean, Nev., on the 8th.

## PRECIPITATION.

The precipitation averaged nearly normal. The map showing the departure of the August rainfall from the normal exhibits the usual phenomenon of summer rain distribution, stations quite near one another reporting amounts some above and others below normal.

Compared with the normal, large amounts fell in the northern half of the Utah area and in the northeastern and central portions of the Nevada area.

The largest monthly amount was 2.55 inches at Pine Cliff Ranch, Utah, while 13 stations reported no rain or only a trace.

Three rainy periods marked the weather of the month—one from the 1st to the 3d, another from the 13th to the 18th, and the last beginning on the 26th and lasting a few days.

## MISCELLANEOUS.

The cooperative observer, Mr. H. R. Antes, of Aneth, Utah, reported an earthquake shock, occurring at about 2.12 p. m. August 18. It was of sufficient force to shake the chair on which he was sitting.

## MONTHLY WEATHER REVIEW.

AUGUST, 1912

TABLE 1.—Climatological data for August, 1912. District No. 10, Great Basin.

Stations.	Counties.	Elevation, feet.	Length of record, years	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
<i>Wyoming.</i>																					
Border.	Uinta.	6,055	10	59.6	- 0.7	90	26	31	31	49	1.34	+ 0.31	0.65	0	4	12	9	10	w. w. sw.	S. W. Condron. E. J. Tuckett. Frank Tucker.	
Cokeville.	do.	6,204	2	57.2	- 2.1	89	14	29	31	54	1.78	- 0.55	0.55	0	8	24	4	3	n.	F. W. Boehme.	
Evanston.	do.	6,860	16	58.8	- 2.1	87	26	33	31	47	1.51	+ 0.55	0.42	0	6	20	10	1	sw.	Donald R. Shirk. John Norton. Wm. T. Chatterton.	
<i>Idaho.</i>																					
Geneva.	Bear Lake.	6,171	4	64.0 <sup>*</sup>	- 3.1	90	9†	30	31	47	1.23	- 0.31	0.58	0	4	24	6	1	n.	F. W. Boehme.	
Grace.	Bannock.	5,400	5	59.4	- 2.6	87	26	32	31	45	1.55	+ 0.66	0.62	0	6	19	5	7	sw.	Donald R. Shirk. John Norton. Wm. T. Chatterton.	
Paris.	Bear Lake.	5,946	17	64.0	- 2.6	92	9	38	30†	49	2.25	+ 1.13	0.98	0	7	22	2	7	sw.		
Weston.	Oneida.	4,460	14	67.2	- 9.5	95	9†	38	19	54	2.45	- 1.24	1.00	0	3	14	4	13			
<i>Utah.</i>																					
Alpine.	Utah.	4,900	13	66.4	- 9.0	10†	39	30†	41	70	1.13	- 0.24	0.34	0	5	21	10	0	s.	T. F. Carlisle.	
Beaver.	Beaver.	6,000	8	67.6	- 9.6	8	34	19	53	T.	0.22	0	5	15	1	11	1	s.	M. J. Shelton.		
Black Rock.	Millard.	4,872	8	60.1	- 8.6	9	34	31	44	0.15	- 0.10	0	0	0	19	11	1	s.	W. D. Livingston.		
Burrville.	Sevier.	6,800	1	62.4	- 7.7	92	9	34	31	44	2.28	- 0.70	0	9	18	7	6	w.	F. R. Curtis.		
Castle Rock.	Summit.	6,244	7	71.0	- 9.2	23	53	1	30	0.47	0.18	0	5	20	4	7	sw.	Parley Dalley.			
Cedar City.	Iron.	5,750	7	67.2	- 9.5	95	9†	38	19	54	0.22	- 0.19	0	3	20	5	6	s.	L. C. Peterson.		
Center.	Tooele.	4,250	1	69.0	- 5.4	99	9	40	45	54	2.45	- 1.82	0.95	0	4	18	11	2	sw.	W. J. Griffiths.	
Clarkston.	Boxelder.	4,240	42	64.0	- 0.8	96	24	43	19†	45	0.16	- 0.41	0.08	0	3	22	6	3	s.	A. C. Murphy.	
Deseret.	Millard.	4,541	17	70.4	- 1.0	90	1†	37	19	54	0.27	- 0.68	0.11	0	5				s.	S. W. Western.	
Erekson.	Tooele.	4,850	1	69.4	- 1.0	90	1†	45	18	40	0.87	- 0.52	0.87	0	1	16	5	10	s.	N. W. Erekson.	
Enterprise.	Washington.	5,750	6	69.4	- 1.0	90	1†	45	18	40	0.87	- 0.52	0.60	0	6	21	10	0	s.	John Day.	
Farmington.	Davis.	4,267	11	69.4	- 1.0	90	1†	45	18	40	0.87	- 0.52	0.60	0	6	21	10	0	s.	Charles Boylin.	
Fillmore.	Millard.	5,100	20	73.8	- 0.6	100	25	46	19	37	0.27	- 0.68	0.11	0	5				s.	J. J. Starley.	
Frisco.	Beaver.	7,318	16	67.6	- 9.2	30	36	18†	54	0.12	- 0.88	0.12	0	1	12	4	3	s.	Essen Nordberg.		
Garrison.	Millard.	4,850	9	67.6	- 9.2	30	36	18†	54	0.12	- 0.88	0.10	0	5	13	9	9	n.	E. M. Smith.		
Government Creek.	Tooele.	5,277	11	69.3	- 2.6	94	24	40	30	40	0.36	- 0.77	0.30	0	4				s.	Walter James.	
Granger.	Salt Lake.	4,560	69.24	92	9	48	31	37	17	47	0.47	- 0.77	0.24	0	4	16	14	1	sw.	Geo. E. Greene.	
Grantsville.	Tooele.	4,220	1	66.5	- 4.2	89	24	46	30	37	1.31	+ 0.54	0.70	0	6	13	10	8	sw.	J. C. Woodmansee.	
Grouse Creek.	Boxelder.	5,148	4	69.0	- 10.3	93	26	35	31	53	2.18	+ 0.98	0.93	0	9	14	13	4	w.	Philip Paskett.	
Heber.	Wasatch.	5,503	19	62.3	- 2.5	89	9	35	24	53	1.19	+ 0.15	0.42	0	8	21	5	5	s.	John Crook.	
Henefer.	Summit.	5,301	12	62.2	- 2.0	93	26	35	31	53	2.18	+ 0.98	1.03	0	9	14	13	4	w.	William Brewer.	
Hooper.	Weber.	4,436	1	67.2	- 2.0	93	26	35	31	53	2.18	+ 0.98	0.93	0	9	14	13	4	s.	T. M. Jones, jr.	
Ibapah (near).	Tooele.	7,500	8	67.2	- 2.0	93	26	35	31	53	2.18	+ 0.98	1.03	0	3				s.	J. S. Lawton.	
Ibex.	Millard.	5,250	1	67.2	- 7.0	93	9	40	31	42	0.70	- 0.50	0.32	0	4	23	4	2	s.	John J. Watson.	
Iosepa.	Tooele.	4,356	1	72.4	- 10.0	10†	26	44	19	44	0.36	- 0.25	0.14	0	4	13	7	11	n.	Geo. K. Hubbell.	
Joy.	Juab.	5,000	1	68.2	- 9.0	97	9	42	30	39	0.35	- 0.25	0.35	0	1				s.	A. M. Laird.	
Junction.	Piute.	6,000	1	67.2	- 7.0	93	9	40	31	42	0.36	- 0.25	0.18	0	3	22	8	1	s.	Joseph Jensen.	
Kanosh.	Millard.	5,250	2	67.2	- 7.0	93	9	40	31	42	0.36	- 0.25	0.17	0	4	23	4	2	sw.	Geo. Crane.	
Keeton.	Boxelder.	4,230	32	67.2	- 7.0	93	9	40	31	42	0.36	- 0.25	0.17	0	4	23	4	2	sw.	F. W. Klock.	
Lemay.	Levan.	4,221	1	67.5	- 9.0	97	53	1	34	1.45	- 0.39	1.45	- 0.26	0	3	22	6	3	sw.	Agent S. P. Co.	
Levan.	Leban.	5,010	22	69.2	- 0.7	94	9	42	19	40	1.30	- 0.69	0.09	0	6	23	5	3	sw.	William Brown.	
Logan.	Cache.	4,507	21	66.5	- 4.2	89	24	46	30	37	1.31	+ 0.54	0.70	0	6				s.	Utah Exp. Station.	
Low.	Tooele.	4,602	21	75.9	- 10.3	93	45	48	31	44	0.55	- 0.20	0.20	0	4	8	19	4	n.	Art. W. P. Ry. Co.	
Lucin.	Boxelder.	4,504	5	71.6	- 9.5	96	25	40	21	45	0.55	- 0.50	0.21	0	3	19	0	12	s.	C. C. Herrington.	
Lund.	Iron.	5,086	3	67.2	- 1.8	89	9	44	20†	42	0.44	- 0.25	0.31	0	3	13	5	13	s.	Job. F. Hall.	
Manti.	Sanpete.	5,575	17	66.5	- 1.8	89	9	44	20†	42	0.68	- 0.25	0.23	0	10	21	8	2	s.	J. M. Anderson.	
Maple Creek.	Utah.	4,850	7	67.2	- 1.8	97	9	42	30	39	0.35	- 0.25	0.35	0	1				s.	Lewis W. Gillilan.	
Marion.	Summit.	6,400	7	67.2	- 1.8	97	9	42	30	39	0.35	- 0.25	0.35	0	1				s.	Jas. Woolstenhulme.	
Marysville.	Piute.	6,076	12	64.8	- 0.1	91	9	29	19†	47	0.39	- 1.28	0.09	0	6	7	14	10	s.	John W. Henry.	
Meadowville.	Rich.	6,200	11	60.8	- 2.8	87	28	36	19†	44	1.80	+ 0.78	0.90	0	6	21	3	7	w.	J. S. Moffat.	
Midlake.	Boxelder.	4,235	1	73.5	- 9.5	93	10†	58	18	57	0.30	- 0.30	0.30	0	1	20	7	4	s.	Agent S. P. Co.	
Midvale.	Salt Lake.	4,365	1	71.0	- 9.5	98	9†	45	7†	41	0.60	- 0.60	0.30	0	0	5	22	5	4	s.	M. J. Joy.
Milford.	Beaver.	4,962	4	74.2	- 9.5	98	15	44	29†	36	0.00	- 0.55	0.21	0	0	28	0	3	s.	Agent Salt Lake Route.	
Mills.	Cache.	4,848	17	66.5	- 1.8	89	9	44	20†	42	1.37	- 0.25	0.61	0	7	13	18	0	n.	Geo. McCune.	
Millville.	Beaver.	5,070	8	67.2	- 1.7	92	23	44	19	45	0.13	- 1.70	0.09	0	3	23	7	1	sw.	Fred Yeates.	
Minersville.	Iron.	5,479	11	66.9	- 1.7	92	23	44	19	45	0.13	- 1.70	0.09	0	3	23	7	1	sw.	George Roberts, sr.	
Modena.	Millard.	5,068	7	65.1	- 9.5	26	40	31	49	23	0.23	- 0.23	0.97	0	6	16	6	9	sw.	U. S. Weather Bureau.	
Morgan.	Sanpete.	5,519	4	68.0	- 13†	48	19†	34	0.47	- 0.47	0.47	- 0.47	0.12	0	5	16	6	9	sw.	E. O. Kingston.	
Mosida.	Utah.	4,510	10	72.0	- 9.5	98	24	45	19	46	0.28	- 0.28	0.09	0	5	22	8	1	s.	B. F. Eliason.	
Mount Nebo.	Millard.	4,650	7	72.0	- 9.5	98	24	45	19	46	0.28	- 0.28	0.09	0	5	22	8	1	s.	R. P. Curtis.	
Nephi (near).	Juab.	5,119	7	72.0	- 9.5	97	7	42	18	48	1.23	+ 0.67	0.72	0	3	14	10	7	w.	D. C. Walkley.	
Newcastle.	Millard.	5,150	1	72.0	- 9.5	97	7	42	18	48	1.23	+ 0.67	0.72	0	4	15	10	12	s.	S. Boswell.	
Oak City.	Millard.	4,900	5	72.0	- 9.5	97	7	42	18	48	1.23	+ 0.67	0.72	0	4	15	10	12	s.	T. W. Jones.	
Ogden.	Weber.	4,310	41	68.6	- 8.1	97	7</														

TABLE 1.—Climatological data for August, 1912. District No. 10—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<b>Utah—Continued.</b>																				
Vernon.	Tooele.	5,500	1	74.2		99	9	45	31	34	1.31		1.08	0	6	18	11	2	sw.	Glynn Bennion.
Wendover.	do.	4,237	1								0.41		0.26	0	3	11	18	2		J. S. Cooper.
Whisky Creek.	Millard.	4,850	1								0.10		0.10	0	1					George Stevens.
Winder.	Garfield.	8,000																	C. H. Mangum.	
Woodruff.	Rich.	6,500	10	53.7		85	9	24	19	55*	3.23		1.42	0	8	16*	12*	2*	sw.	A. L. Eastman.
<b>Oregon.</b>																				
Burns.	Harney.	4,157	21	64.1	— 0.7	100	23	25	29	58	0.44	+ 0.30	0.44	0	1	25	5	1	nw.	J. C. Welcome, jr.
Clif.	Lake.	4,300	5	57.4		92	23	23	30	55	0.98		0.30	0	8	7	19	5		John C. Green.
Paisley.	do.	4,500	9																E. C. Woodward.	
Silver Lake.	do.	4,700	15	60.6	— 0.3	91	24	31	31	48	1.45	+ 1.13	0.49	0	6	13	16	2	w.	G. W. Marvin.
<b>California.</b>																				
Tahoe.	Placer.	6,240	2	56.6		81	6†	28	30	44	0.00		0.00	0	0	30	1	0	w.	R. M. Watson.
Truckee.	Nevada.	5,819	41																	Southern Pacific Co.
<b>Nevada.</b>																				
Austin.	Lander.	6,594	23	66.0	— 2.3	91	7	38	18	43	0.65	+ 0.10	0.40	0	2	26	1	4	s.	F. O. Booe.
Battle Mountain.	do.	4,843	41	69.9	— 4.2	104	25	34	29†	62	0.20	+ 0.06	0.20	0	1	23	7	2	w.	Southern Pacific Co.
Beowawe.	Eureka.	4,905	41			100	15				0.76	+ 0.61	0.50	0	2	28	0	3		Do.
Carlin.	Elko.	5,232	41	66.2	— 2.9	100	8†	28	30	63	0.27	+ 0.09	0.27	0	1	29	0	2		Do.
Carson Dam.	Churchill.	4,032	5	69.2		93	7†	40	30	40	0.18		0.18	0	1	23	7	1	w.	U. S. Reclamation Service.
Cherry Creek.	White Pine.	6,450	4	66.2		93	24	40	19†	42	0.61		0.18	0	10	15	13	3	w.	J. H. Leishman.
Clover Valley.	Elko.	6,000	11																I. F. Wiseman.	
Columbia.	Esmeralda.	5,750	5	70.2		96	7	44	18†	41	0.00		0.00	0	0	30	1	0	se.	A. Booth.
Dry Farm.	Elko.	5,600	0																Walfrid Sohlman.	
Elko.	do.	5,432	41	63.2	— 4.9	94	8	28	31	55	0.59	+ 0.29	0.27	0	7	18	7	6	w.	E. J. Clark.
Ely.	White Pine.	6,421	21	68.4	+ 3.8	90	25	36	30	42	0.15	— 1.11	0.03	0	3	18	8	5	s.	R. E. Middagh.
Eureka.	Eureka.	6,500	9	65.9		92	23	35	18†	41	0.53		0.47	0	3	15	8	3	s.	Clay Simms.
Fallon.	Churchill.	3,965	7	68.2		97	S	39	18†	47	0.18		0.18	0	1	27	2	2	ne.	U. S. Experiment Station.
Fernley.	Lyon.	4,200	39	70.6	— 4.6	95	6	38	30	47	0.70	+ 0.53	0.65	0	2	24	7	0	w.	Mrs. G. A. Steele.
Gardnerville.	Douglas.	4,830	12	62.0	— 6.2	85	23†	34	30	48	T.	— 0.20	T.	0	0	21	7	3	w.	W. M. Maule.
Gerlach.	Washoe.	0	70.8			95	7	32	17	41	0.30		0.30	0	1				Western Pacific Co.	
Geyser.	Lincoln.		8																Mrs. J. F. Wambolt.	
Golconda.	Humboldt.	4,697	33	68.2	— 4.4	95	8	36	30	44	0.40	+ 0.31	0.35	0	2	13	7	11	w.	Southern Pacific Co.
Halleck.	Elko.	5,631	19	63.9	— 2.8	95	8†	31	18	58	0.19	0.00	0.13	0	2	25	2	4		Do.
Hawthorne.	Mineral.	4,569	18	73.0	— 1.0	97	8	48	31	41	0.00	— 0.24	0.00	0	0	25	4	2	w.	G. B. Stannard.
Jean.	Clark.	2,074	4	76.8		110	8	46	31	55	0.20		0.20	0	1	30	1	0	nw.	Salt Lake Route.
Lahontan.	Churchill.	0	74.1			98	7	46	29	43	0.33		0.22	0	2	27	4	0	w.	U. S. Reclamation Service.
Lewers' Ranch.	Washoe.	5,500	24	63.0	— 5.1	88	9	35	30	42	0.20	— 0.14	0.20	0	1	24	5	2		Ross Lewers.
Lovelocks.	Humboldt.	3,977	18	66.8	— 8.8	96	23	37	18	53	0.17	+ 0.14	0.11	0	3	21	7	3	sw.	A. P. Tilford.
McDermitt.	do.	4,700	23	64.8	— 7.5	94	23	30	30	42	0.15	0.00	0.13	0	2	18	9	4	w.	Scott Sterling.
Millett.	Nye.	4,600	4	64.2		93	8	30	31	54	0.10		0.10	0	1	22	6	3	w.	Fred J. Jones.
Mina.	Mineral.	5,106	0	69.0		96	9†	41	31	48	0.00		0.00	0	0	30	1	0	s.	Southern Pacific Co.
Oasis Ranch.	Esmeralda.	6,990	19	60.0	— 7.8	89	12	30	19	50	0.20	— 0.46	0.15	0	2	9	11	11	s.	A. S. Patterson..
Potts.	Nye.	4,850	10	65.2	— 2.3	98	22	23	30	55	0.11	— 0.30	0.06	0	2				s.	Miss Mamie Potts.
Quinn River Ranch.	Humboldt.	4,850	0	65.8		97	23	28	30	54	0.38		0.38	0	1	20	9	2	sw.	F. M. Payne.
Rebel Creek.	do.																		E. J. Hyatt.	
Reno.	Washoe.	4,532	41	66.3	— 0.7	93	23	37	30	44	0.96	+ 0.71	0.96	0	2	25	5	1	w.	U. S. Weather Bureau.
Soda Lake.	Churchill.	4,534	5																U. S. Reclamation Service.	
Tecoma.	Elko.	4,812	34	62.7	— 10.1	100	24†	24	30	61	0.73	+ 0.50	0.35	0	4	13	10	8	se.	Southern Pacific Co.
Tonopah.	Nye.	6,090	7	69.6		89	7	46	18	31	0.00		0.00	0	0	26	5	0	se.	U. S. Weather Bureau.
Wells.	Elko.	5,631	40	65.6	— 3.0	94	7†	40	31	50	0.90	+ 0.70	0.40	0	3	28	0	3	sw.	Southern Pacific Co.
Winnemucca.	Humboldt.	4,432	33	66.7	— 4.1	96	23	36	31	48	0.13	— 0.04	0.02	0	2	22	5	4	sw.	U. S. Weather Bureau.

\*, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

\*\* Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—Daily precipitation for August, 1912. District No. 10, Great Basin.

Stations.	Watershed.	Day of month.																														Total.				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
<i>Wyoming.</i>																																				
Border.	Bear.	T.	.18	T.	.46			T.							T.	.65	T.	.20															1.34			
Cokeville.	do.	.35		.18												.03	.55	.08	.11														1.78			
Evanston.	do.																.35	T.	.42															1.51		
<i>Idaho.</i>																																				
Geneva.	Bear.	.14	.29																															1.23		
Grace.	do.	.30		.03	.03													.90	.05	.60													1.93			
Paris.	do.	.10	.15	.05														.62	.50														1.55			
Weston.	do.	.23		.10														.98	.07	.14													2.25			
<i>Utah.</i>																																				
Alpine.	G. S. Lake.	.12																.07	.32	.21													1.13			
Beaver.	Sevier Lake.	.20	.03															T.																0.70		
Black Rock.	do.																	T.																0.15		
Burrville.	do.																	.05																0.47		
Castle Rock.	G. S. Lake.	.36	.70															.01	.43	.05	.35											2.28				
Cedar City.	Desert.	.18																.16																0.22		
Center.	do.	.01	T.	.02														T.	.19		T.												2.45			
Clarkston.	G. S. Lake.	.72																	.95															1.82		
Corinne.	do.	1.00																	.65															0.16		
Deseret.	Sevier Lake.																																	0.87		
Erekson.	Desert.																																	0.47		
Enterprise.	G. S. Lake.																																	0.47		
Fairfield.	do.																																	0.22		
Farmington.	do.	.60	.06	.20															.02															1.52		
Fillmore.	Sevier Lake.	.11																	T.	.12														0.27		
Frisco.	Desert.																		T.															0.12		
Garrison.	do.																		T.															0.36		
Government Creek.	do.	.08		.10															.06	T.	.04													0.77		
Granger.	do.	.22																	.20	.30														0.47		
Grantsville.	G. S. Lake.	.02	.05																.16		.49													1.50		
Grouse Creek.	Desert.	.47	T.	.13	.02													T.	.22	.15	.15	.10	.12										1.19			
Hieber.	G. S. Lake.	.05		.20	T.	.13												.22	T.	.93	1.07	.30										2.18				
Henefer.	do.																		.50	.74														2.27		
Hooper.	do.	1.03																																		
Ibapah (near).	Desert.																																			
Iplex.	do.																																			
International.	G. S. Lake.																																			
Iosepa.	Desert.	.14	.05																	T.															0.36	
Joy.	do.	.35																	.05	.13														0.35		
Junction.	Sevier Lake.	.12		.10																															0.43	
Kanosh.	do.																																			0.36
Kelton.	G. S. Lake.	.32	.15																																	0.70
Lemay.	Desert.	1.10	.05																																	1.45
Levan.	Sevier Lake.	T.																	T.	.02	.01														0.26	
Logan.	G. S. Lake.	.08	.15																.70	.04	.29													1.31		
Low.	do.	.20	.10																	.10															0.55	
Lucin.	Desert.																																			0.55
Lund.																																				
Manti.	Sevier Lake.	T.	.31																T.		T.														0.44	
Maple Creek.	G. S. Lake.	.23	.02	.02															.03	.19	.03													0.68		
Marion.	do.	.29	.18	.22														.10	.20	.40	.04	.30										2.53				
Marysvale.	Sevier Lake.	T.	.09	.04														T.	.09	.08	T.	T.											0.39			
Meadowville.	G. S. Lake.	.20																T.		.90	.15	.05											1.80			
Midlake.	do.		.30																T.																0.30	
Midvale.	do.	.02																	.30			.21												0.60		
Milford.	Sevier Lake.																																			0.00
Millville.	G. S. Lake.	.23	.20	T.															.61	.03	.18													1.37		
Mills.	Sevier Lake.	T.	.10																T.	.04	T.	.18												0.55		
Minersville.	do.																																			
Modena.	Desert.	.02																	.09			.20	.07											0.46		
Morgan.	G. S. Lake.	.35	.20	.0																																

TABLE 2.—*Daily precipitation for August, 1912. District No. 10—Continued.*

Stations.	Watershed.	Day of month.																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.	
<i>California.</i>																																		
Bijou.....	Truckee.....																																	0.02
Boca.....	do.....																																0.00	
Bridgeport.....	East Walker.....																																0.06	
Deer Park.....	Truckee.....																															0.03		
Glen Alpine.....	do.....																															0.16		
Hobart Mills.....	do.....																															0.00		
Lundy.....	East Walker.....																															0.00		
Markleeville.....	East Carson.....	T.																														0.06		
Shields Ranch.....	East Walker.....	.03																														0.03		
Silver Creek.....	East Carson.....	.04																														0.00		
Tahoe.....	Truckee.....																															0.00		
Tallac.....	do.....	.12																														0.12		
Truckee.....	do.....																															0.00		
Woodfords.....	West Carson.....																															0.00		
<i>Oregon.</i>																																		
Adel.....	SE. drain-age.....																																	
Ana River.....	do.....	.12	.06																													.27		
Bear Valley.....	do.....	.10	.70	.05																											.15			
Burns.....	do.....	.44																														.06		
Burns Mill.....	do.....		.35	.65																											.15			
Christmas Lake.....	do.....	.09																													.14			
Cliff.....	do.....	.20	.05	.06																											.61			
Diamond.....	do.....	.05	.24	.27																											.01			
Embody.....	do.....	.15	.05																													.05		
Fort Rock.....	do.....	.07	T.																													.40		
Paisley.....	do.....																															.64		
Seneca.....	do.....	.20		.90																											.12			
Silver Lake.....	do.....		.37																												.49			
Valley Falls.....	do.....		.09	.44																											.05			
<i>Nevada.</i>																																		
Arthur.....	Humboldt.....	.30	.20																														.20	
Austin.....	Reese.....																																.10	
Battle Mountain.....	Humboldt.....																															.65		
Beowave.....	do.....	.59																														.20		
Bishop.....	do.....	1.10	.37																													.76		
Carlton.....	do.....																															.56		
Carson Dam.....	Carson.....	T.	.18																													.27		
Cherry Creek.....	Humboldt.....	.01	.05	.18																												.18		
Clover Valley.....	do.....																															.61		
Columbia.....	Desert.....																															0.00		
Dry Farm.....	Humboldt.....																																	
Elko.....	do.....	.27	.03	T.																												.59		
Ely.....	do.....			*	.07																										.15			
Eureka.....	Carson.....	.03	.03																													.53		
Fallon.....	Truckee.....	.65	.05																													.70		
Fernley.....	Gardnerville.....																															.18		
Gerlach.....	Carson.....	.30																														.30		
Geyser.....	Humboldt.....																																	
Glenbrook.....	Truckee.....																															.40		
Golconda.....	Humboldt.....	.05	.35																													.19		
Halleck.....	do.....	.13	.06																													.00		
Hawthorne.....	Desert.....																															.20		
Jean.....	do.....																															.33		
Lahontan.....	Carson.....	.11	.22																													.20		
Lewers Ranch.....	Truckee.....																															.20		
Lovelocks.....	Humboldt.....	.03	.11																													.17		
McDermitt.....	do.....																															.15		
Massacre Lakes.....	Desert.....																															.07		
Mill City.....	Humboldt.....																															.10		
Millett.....	Reese.....																															.10		
Mina.....	Desert.....																															.27		
North Fork.....	Humboldt.....	T.	.02																													.27		
Oasis Ranch.....	Reese.....																															.00		
Quinn River Ranch.....	Humboldt.....	.06	.05																													.11		
Rebel Creek.....	do.....	.38	T.	T.																												.38		
Reno.....	Truckee.....	.03	.93																													.90		
Skelton.....	Humboldt.....	.13	.04																													.80		
Smith.....	West Walker.....	.06	.06																													.25		
Soda Lake.....	Carson.....																																	
Spooners Ranch.....	Truckee.....	T.	T.																															
Sweetwater.....	East Walker.....																															.73		
Tecoma.....	Humboldt.....	.11																														.00		
Tonopah.....	Desert.....																															.00		
Wells.....	Humboldt.....	.20																														.90		
Willow Point.....	Little Humboldt.....																															.00		
Winnemucca.....	Humboldt.....	.																																

\* Precipitation included in that of the next measurement.  
† Separate dates of falls not recorded.

† Separate dates of falls not recorded.

**II Precipitation for the 24 hours ending on the morning when it is measured.**

T. Precipitation is less than 0.01 inch rain or melted snow.

## MONTHLY WEATHER REVIEW.

AUGUST, 1912

TABLE 3.—Maximum and minimum temperatures for August, 1912. District No. 10, Great Basin.

Date.	Wyoming.				Weston, Idaho.		Utah.																Salt Lake City.			
	Border.		Evanston.				Corinne.		Govern- ment Creek.		Joy.		Marysville.		Meadow- ville.		Modena.		Ogden.		Parowan.		Provo.		Salt Lake City.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1.....	64	51	68	51	68	58	73	58	81	54	87	52	81	49	68	53	78	48	85	49	80	50	84	57	78	59
2.....	78	41	76	43	81	47	73	55	84	60	86	51	86	46	77	45	81	51	87	50	84	55	91	50	83	59
3.....	85	46	73	47	80	53	84	53	85	52	89	50	85	44	77	48	81	47	88	54	83	52	91	49	83	60
4.....	74	42	75	40	81	47	88	66	82	49	87	50	83	44	78	43	84	45	90	55	89	54	88	44	79	60
5.....	69	36	77	37	74	42	86	53	87	51	90	55	84	41	79	40	87	44	94	52	86	51	91	45	88	59
6.....	83	43	76	42	85	45	88	54	85	54	89	42	78	45	89	50	95	53	89	49	90	48	84	54	84	61
7.....	70	43	70	43	76	53	84	57	82	51	88	44	79	49	91	50	97	52	87	52	84	45	80	53	80	63
8.....	80	38	78	38	84	46	89	51	91	51	92	54	88	42	75	40	91	48	93	54	89	52	93	40	91	60
9.....	88	40	83	41	92	43	99	54	93	59	97	65	86	43	88	50	89	50	88	52	98	50	94	54	94	65
10.....	81	39	79	42	87	48	90	50	98	60	94	60	86	45	81	47	84	49	91	51	86	55	96	46	90	71
11.....	82	39	78	38	87	45	87	53	89	55	90	56	88	46	79	44	85	51	88	51	88	54	93	44	86	62
12.....	82	39	80	41	89	45	89	53	88	55	93	60	87	47	82	45	87	52	90	52	88	54	94	47	88	63
13.....	85	38	81	44	89	49	91	58	90	64	84	56	90	51	81	46	87	54	87	50	83	53	97	50	91	66
14.....	84	39	76	42	85	55	89	57	89	63	86	61	76	57	77	50	76	57	86	48	72	56	89	56	82	66
15.....	70	50	71	50	73	54	80	57	83	50	70	43	83	41	71	49	82	45	90	47	80	44	82	55	81	59
16.....	74	46	70	45	67	50	74	54	74	54	76	55	83	41	67	48	81	46	91	47	81	47	83	46	74	64
17.....	80	45	67	45	73	52	75	54	79	48	80	48	79	50	77	45	73	45	91	46	78	52	80	53	78	58
18.....	68	34	62	40	67	46	72	40	73	43	84	45	78	52	61	45	78	45	90	42	77	50	76	49	69	49
19.....	70	34	68	34	75	40	77	45	79	43	88	55	81	39	70	36	80	44	85	43	79	49	71	40	75	53
20.....	80	38	78	38	79	41	80	52	84	47	90	51	84	39	73	38	82	45	83	46	84	48	89	43	81	57
21.....	81	38	80	39	86	45	83	57	86	51	86	54	84	40	85	41	85	47	88	48	85	51	91	44	84	52
22.....	82	38	81	38	84	43	86	53	88	54	89	53	87	42	79	43	90	45	90	47	88	54	93	44	88	62
23.....	86	37	83	39	85	45	86	56	90	53	86	54	85	44	82	40	92	49	86	48	90	52	96	43	90	63
24.....	84	39	85	38	90	47	90	48	94	58	82	49	86	44	84	45	89	58	87	49	85	53	95	44	93	67
25.....	86	40	84	40	91	53	91	58	92	62	80	44	88	43	85	53	89	54	85	46	88	52	95	46	92	69
Mns....	79.4	39.9	75.8	41.8	80.7	47.2	84.5	53.4	85.2	53.4	85.1	51.2	83.8	45.9	76.7	44.9	83.3	50.2	88.1	49.1	82.6	52.1	88.9	48.1	83.7	61.3

Date.	Burns, Oreg.		Nevada.																					Winne- mucca.				
			Cherry Creek.		Elko.		Eureka.		Fallon.		Hawthorne.		Jean.		Lovelocks.		Millet.		Quinn River Ranch.		Reno.		Tecoma.		Tonopah.			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1.....	92	36	78	53	79	56	75	48	85	55	89	65	96	49	82	56	80	49	57	81	57	80	42	76	54	77	58	
2.....	95	40	82	51	84	45	76	49	80	52	83	56	99	52	82	47	81	45	86	78	51	78	36	77	58	82	51	
3.....	90	36	78	46	78	43	80	42	83	44	83	54	100	53	82	42	81	45	83	41	78	45	85	41	78	52	78	44
4.....	89	35	80	46	83	42	82	42	87	46	89	54	99	49	89	47	84	44	88	39	87	49	83	42	83	56	86	49
5.....	89	40	85	47	88	44	86	48	94	55	91	57	102	52	91	46	88	41	90	44	87	49	90	31	87	65	89	50
6.....	92	40	86	51	87	44	87	49	93	51	94	58	103	49	94	49	90	43	93	58	91	53	92	35	88	64	91	53
7.....	92	41	84	50	88	43	87	48	95	56	95	59	105	50	94	55	91	44	96	40	92	54	90	35	89	66	92	53
8.....	89	40	91	53	94	44	90	60	97	53	97	60	110	60	95	49	93	45	91	35	86	53	95	33	89	67	93	50
9.....	90	42	89	60	90	43	88	61	90	50	92	57	103	58	87	48	90	47	85	51	82	56	97	35	86	58	97	52
0.....	88	38	87	51	85	40	87	47	90	47	89	59	99	60	89	48	88	44	88	45	83	48	95	37	82	56	86	54
11.....	92	44	86	50	88	42	88	59	93	51	94	57	98	58	93	49	89	45	90	54	95	34	83	61	91	46	91	
12.....	90	46	87	54	91	41	88	51	94	54	94	61	99	58	95	48	91	45	93	43	90	55	95	35	86	62	93	51
13.....	93	49	87	59	90	54	88	53	92	58	90	63	96	57	93	61	85	46	92	58	88	55	97	42	84	63	92	60
14.....	90	45	76	51	84	45	83	49	90	54	90	59	95	53	90	55	80	49	89	58	92	42	82	55	88	58	99	
15.....	85	40	81	47	83	41	81	48	86	50	90	56	98	56	86	45	85	44	82	50	77	50	87	45	79	56	83	51
16.....	80	30	74	50	81	43	77	39	76	48	77	56	97	56	77	40	86	47	71	41	77	45	86	30	74	47	74	49
17.....	82	40	69	50	70	50	74	44	83	51	95	55	78	45	77	47	69											